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## AMENDMENTS TO CLAIMS

1. A cooling exchanger comprised of a cooling base plate, two units of water pans and two units of water pumps characterized by that:

~~Said~~ said cooling base plate having two units of contact ~~plats~~ plates incorporated with multiple units of SbBi crystals and bridged with a conductor;

~~Outer~~ outer edges between said two contact plates coated with insulation resin to close and separate a shortage;

~~Two~~ two units of said SbBi crystal containing having opposite polarities connected to a DC source and both contact plates connected to it having relative temperature difference ( $\Delta T$ );

~~Said~~ said two units of water pans each being a hollow ~~Container~~ container;

~~The~~ the front of the water pan has a water inlet and a water outlet;

~~Four~~ four corners of the water pan having a protrusion of a bolting hole;

~~The~~ the bolting hole having a locking member to pass through to hold it in position;

~~Both~~ both of said water pans mutually held in position on the contact plate of the cooling base plate;

~~[A]~~ a pipe each connecting the water inlets and the water outlets from said two units of water pans to form a closed pipeline;

~~Water~~ water controlled by a water pump circulating in said closed pipeline;

and

~~The~~ the water from the closed pipeline flowing into said two units of water pans and completing heat exchange subject to the temperature difference ( $\Delta T$ ) of the cooling base plate to reduce the temperature of the water circulating in the water pans.

2. The cooling exchanger of claim 1 wherein said  $\Delta T$  is caused by controlling a conduction time.

3. The cooling exchanger of claim 2 further comprising a coil, heat sinks cladding said coil, and an eccentric fan;

said coil being part of said closed pipeline; and

said eccentric fan being adapted to draw room air across said heat sinks.

4. The cooling exchanger of claim 1 further comprising a coil, heat sinks cladding said coil, and an eccentric fan;

said coil being part of said closed pipeline; and

said eccentric fan being adapted to draw room air across said heat sinks.

**TRAVERSAL OF CLAIM REJECTIONS**

Applicant respectfully traverses the Examiner's rejection of claim 1 and requests the Examiner to reconsider and withdraw the same.

## COMPLETE LISTING OF CLAIMS

1. (currently amended) A cooling exchanger comprised of a cooling base plate, two units of water pans and two units of water pumps characterized by:
- said cooling base plate having two units of contact plates incorporated with multiple units of SbBi crystals and bridged with a conductor;
- outer edges between said two contact plates coated with insulation resin to close and separate a shortage;
- two units of said SbBi crystal containing having opposite polarities connected to a DC source and both contact plates connected to it having relative temperature difference ( $\Delta T$ );
- said two units of water pans each being a hollow container;
- the front of the water pan has a water inlet and a water outlet;
- four corners of the water pan having a protrusion of a bolting hole;
- the bolting hole having a locking member to pass through to hold it in position;
- both of said water pans mutually held in position on the contact plate of the cooling base plate;
- a pipe each connecting the water inlets and the water outlets from said two units of water pans to form a closed pipeline;
- water controlled by a water pump circulating in said closed pipeline;
- and
- the water from the closed pipeline flowing into said two units of water pans and completing heat exchange subject to the temperature difference ( $\Delta T$ ) of the cooling base plate to reduce the temperature of the water circulating in the water pans.
2. (new) The cooling exchanger of claim 1 wherein said  $\Delta T$  is caused by controlling a conduction time.
3. (new) The cooling exchanger of claim 2 further comprising a coil, heat sinks cladding said coil, and an eccentric fan;
- said coil being part of said closed pipeline; and
- said eccentric fan being adapted to draw room air across said heat sinks.
4. (new) The cooling exchanger of claim 1 further comprising a coil, heat sinks cladding said

coil, and an eccentric fan;

said coil being part of said closed pipeline; and

said eccentric fan being adapted to draw room air across said heat sinks.

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